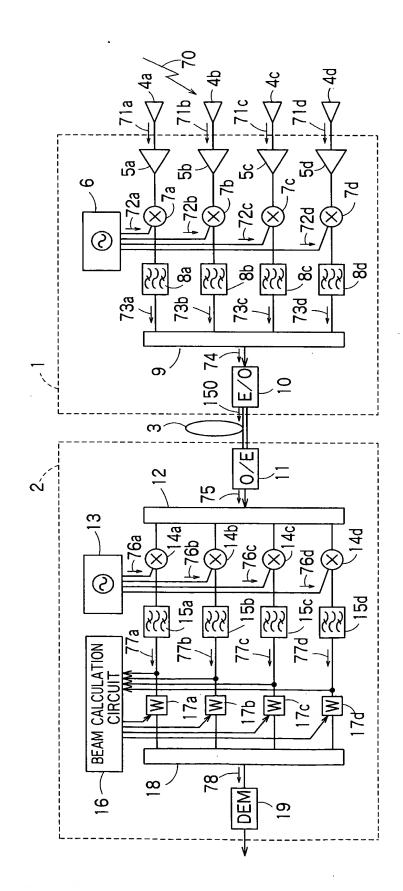


F1G.1

-7c 5d Sa. W & W & W & 86 [555] က္က <u>ක</u> 33 ස BEAM CALCULATION CIRCUIT . الآ إ 17a ∞ 16) DEM <u>6</u>

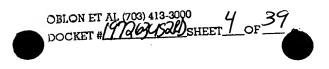
F I G. 2

11

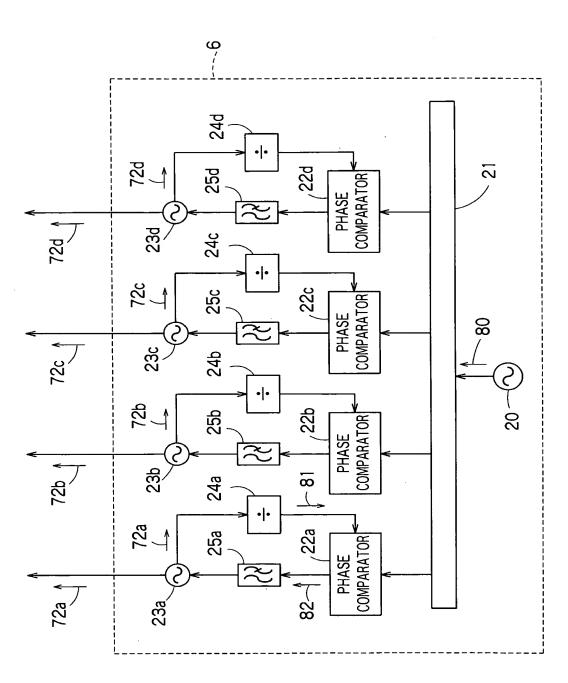


F . G. 3

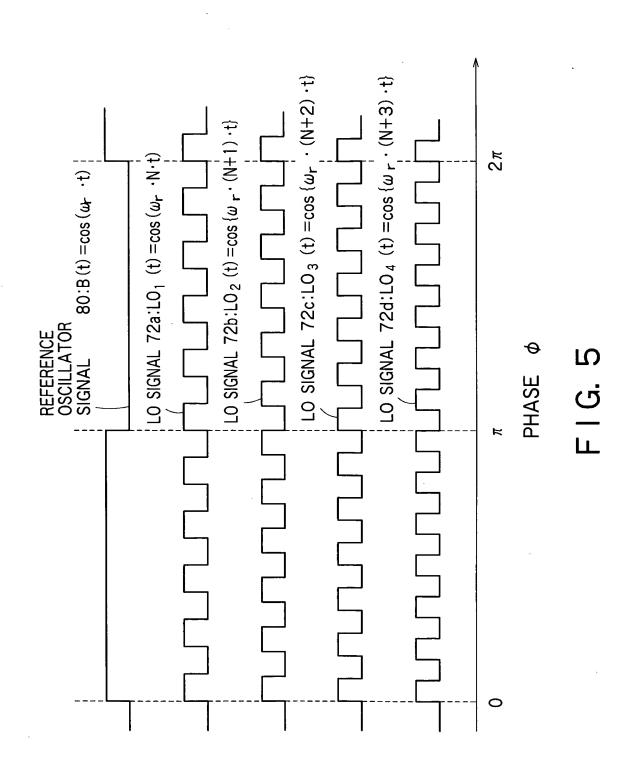
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F | G. 4

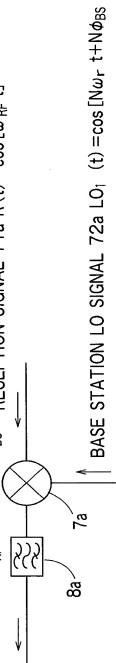


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RECEPTION SIGNAL 73a

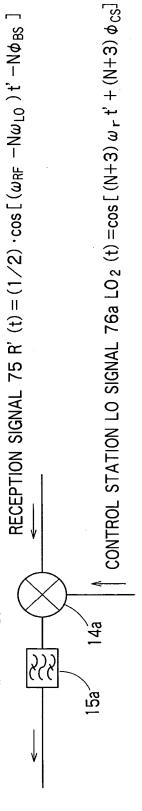
R' (t) = $(1/2) \cdot \cos \left[(\omega_{RF} - N\omega_r) \underbrace{t} - N\phi_{BS} \right]$ RECEPTION SIGNAL 71a R (t) = $\cos \left[\omega_{RF} \right]$ t]



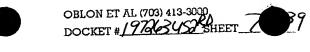
F I G. 6A

RECEPTION SIGNAL 77a

 $\begin{array}{l} R^{"} \; (t) = (1/4) \cdot \cos \left[\; \{ \omega_{RF} - N \omega_{r} - (N+3) \; \omega_{r} \; \} \; t' \; - N \phi_{BS} - (N+3) \; \phi_{CS} \; \right] \\ = (1/4) \cdot \cos \left[\omega_{IF} \; t' \; - N \phi_{BS} - (N+3) \; \phi_{CS} \; \right] \\ \end{array}$



F I G. 6B



 $\phi_{BS} \neq \phi_{CS} \pm 2\pi$

RECEPTION SIGNAL 77a
----- RECEPTION SIGNAL 77b
---- RECEPTION SIGNAL 77c
---- RECEPTION SIGNAL 77d

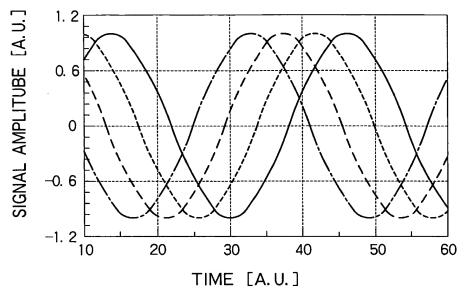


FIG. 7A

 $\phi_{BS} = \phi_{CS} \pm 2\pi$ RECEPTION SIGNAL 77a~77d

1. 2

0. 6

-1. 2

1. 0

20

30

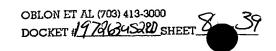
40

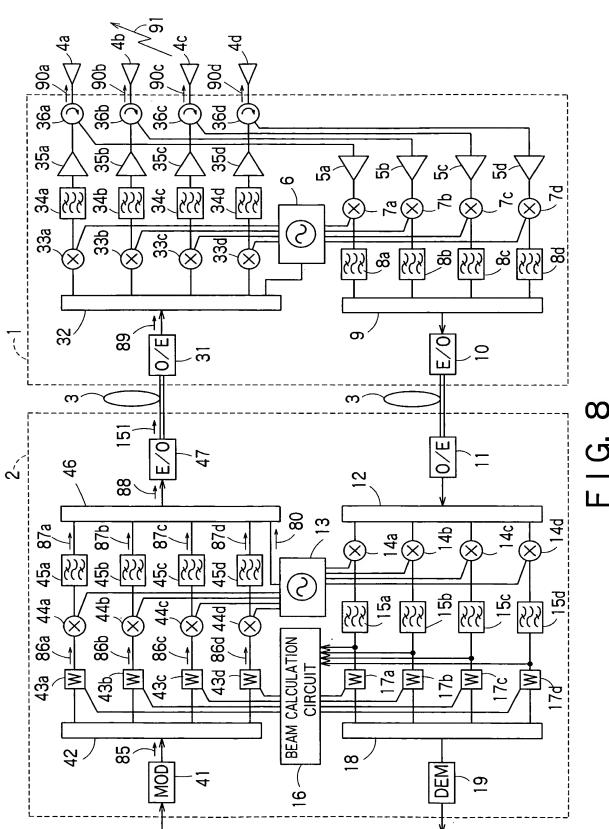
50

60

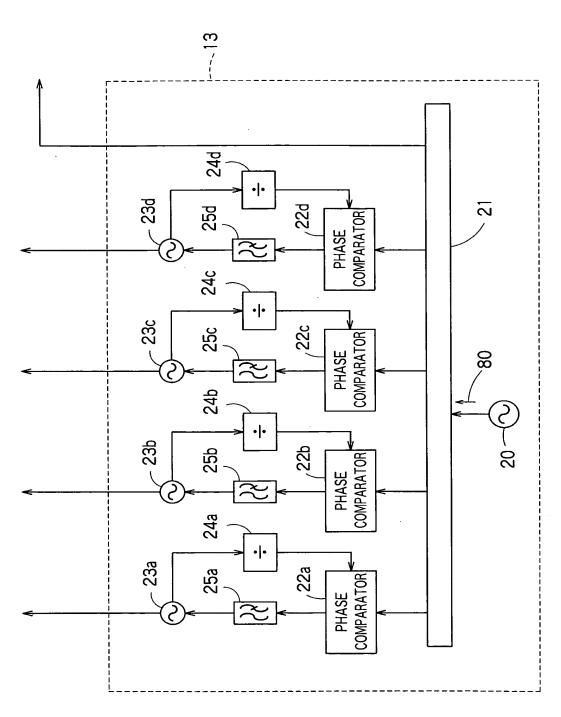
TIME [A. U.]

FIG. 7B





 ∞ Н С



F | G. 9

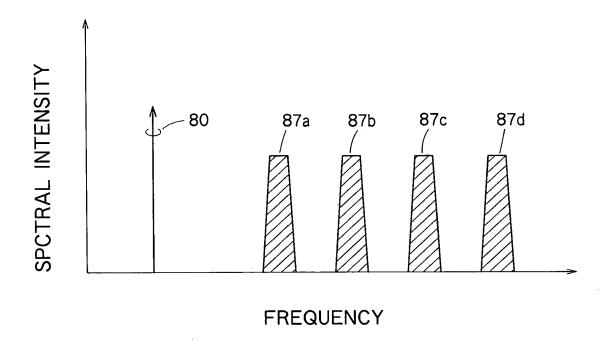


FIG. 10

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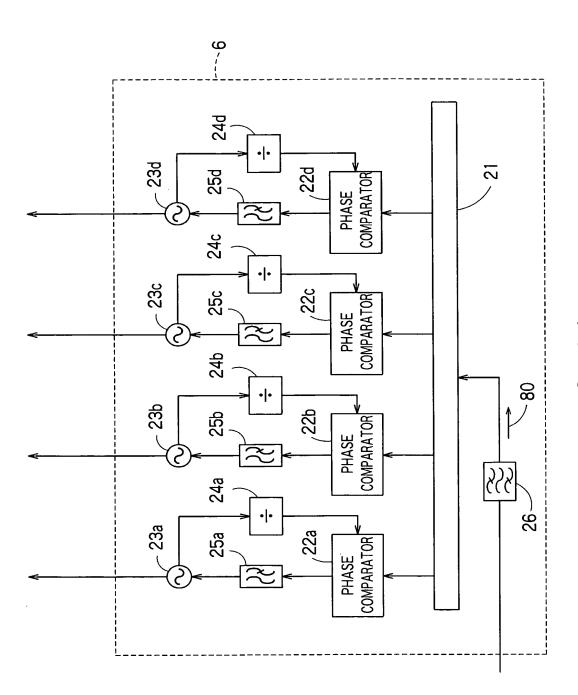
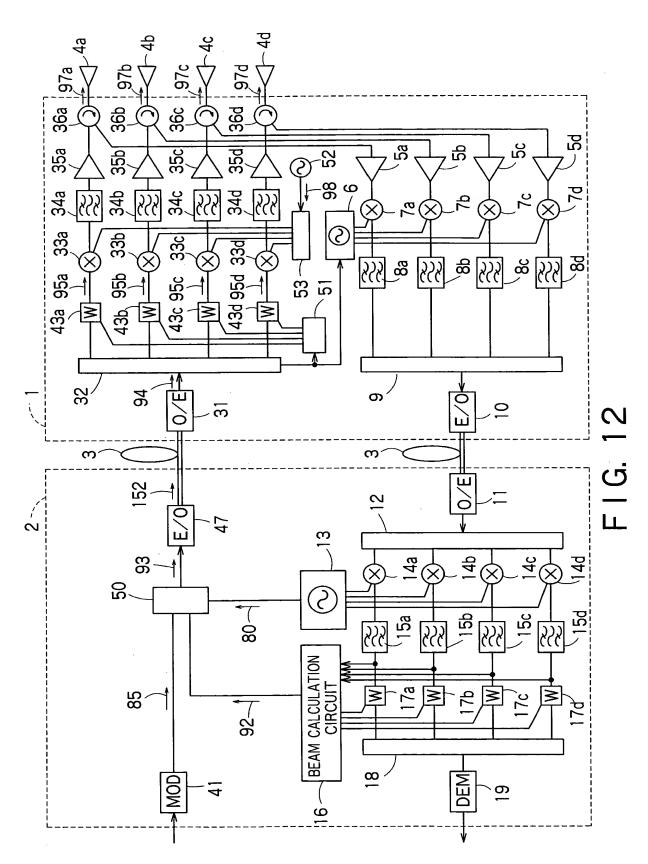
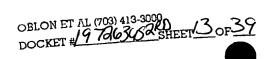


FIG. 11



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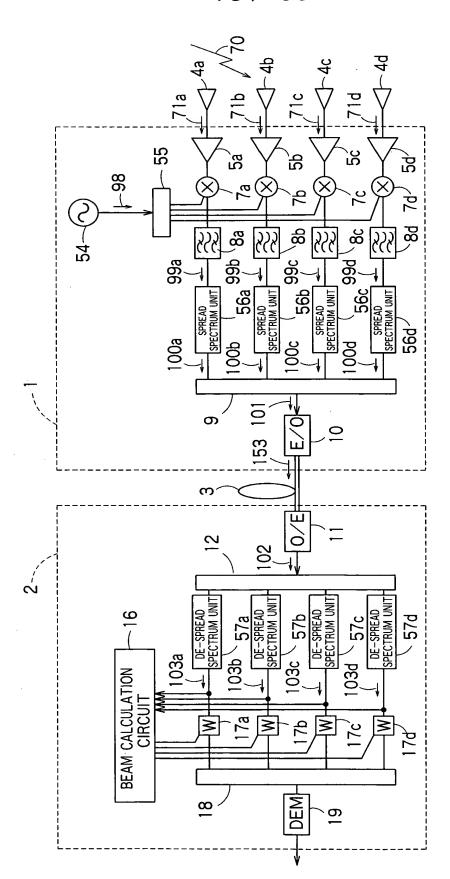
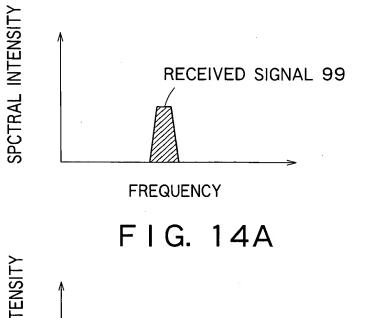


FIG. 13



SPREADING SPECTRUM SIGNAL 100
FREQUENCY

FIG. 14B

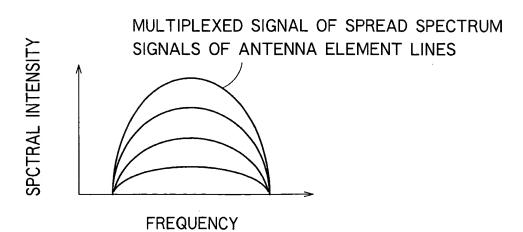
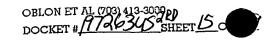


FIG. 14C



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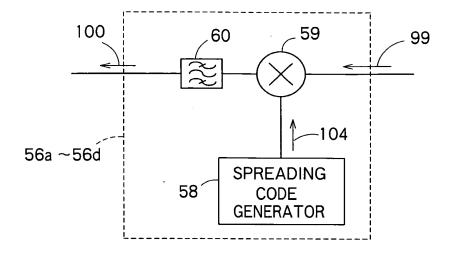


FIG. 15A

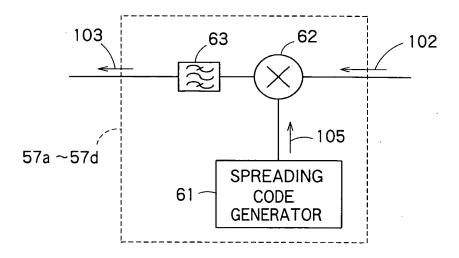
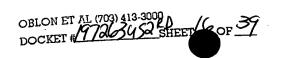
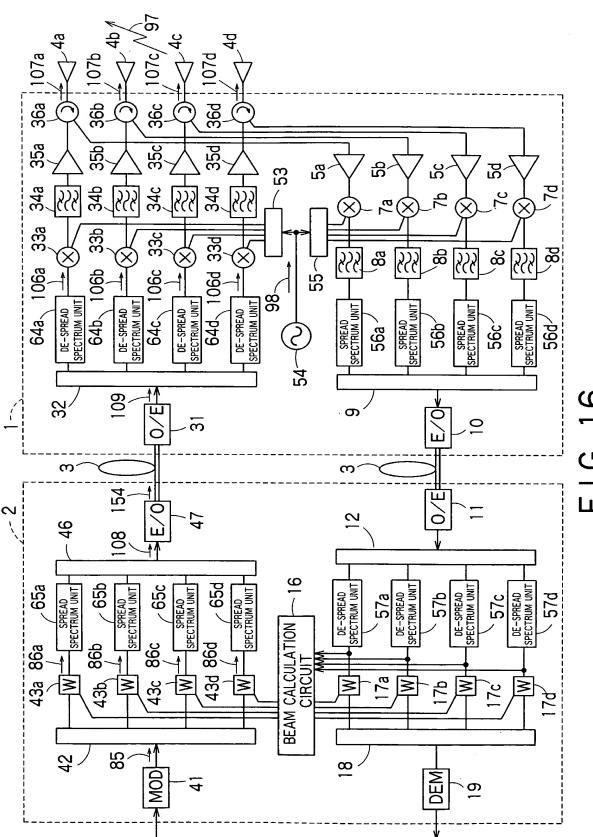
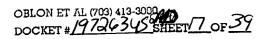


FIG. 15B





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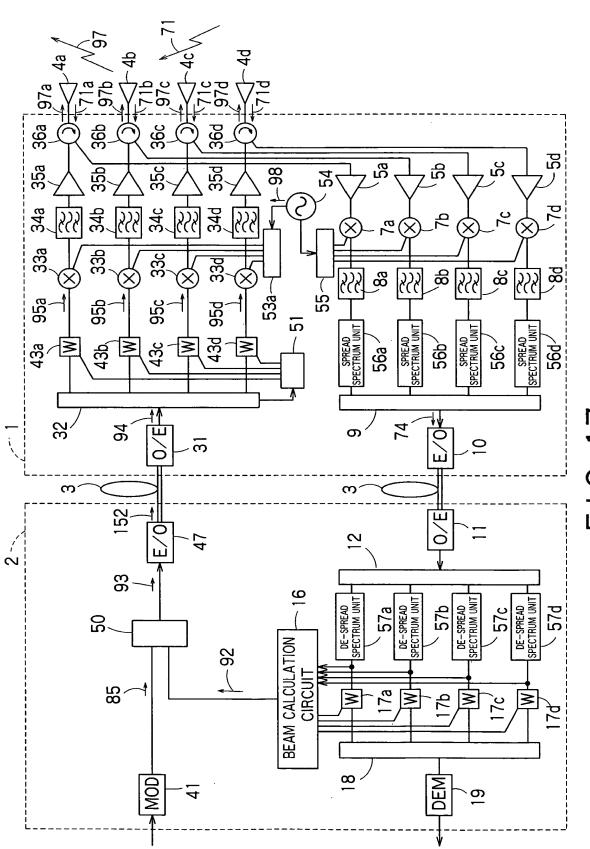
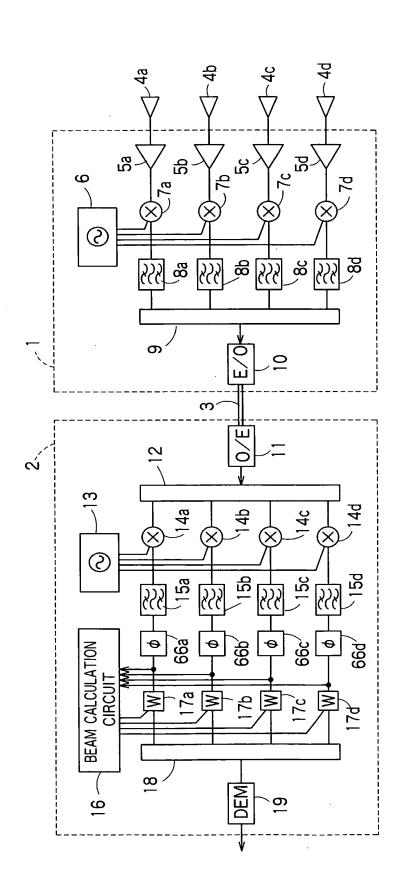
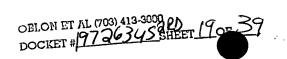


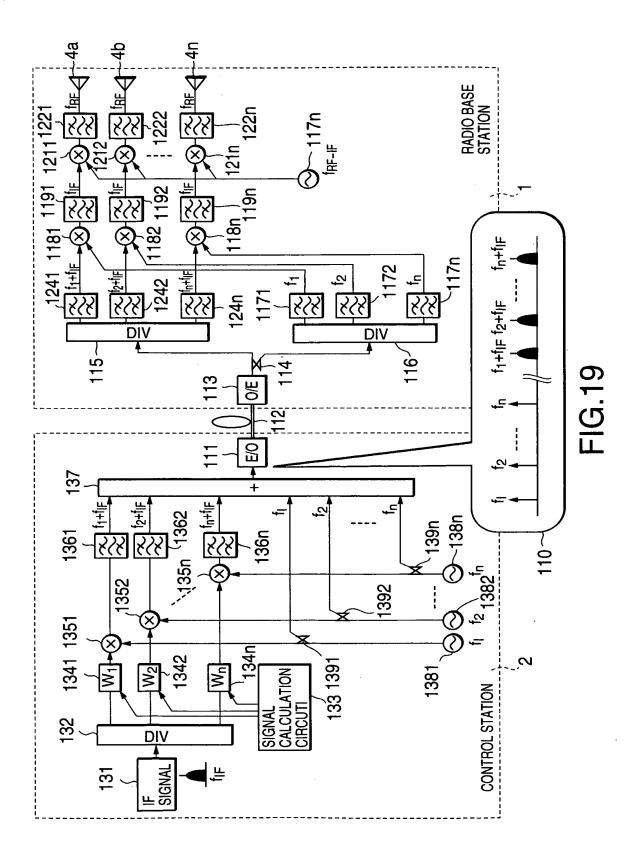
FIG. 17

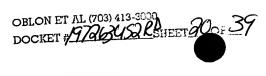


F | G. 18



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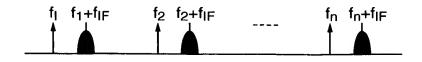


FIG.20

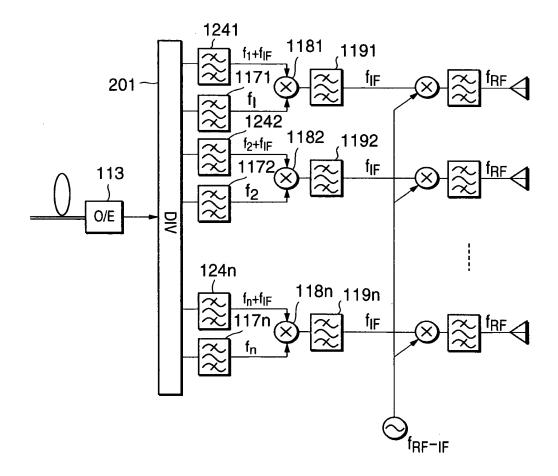
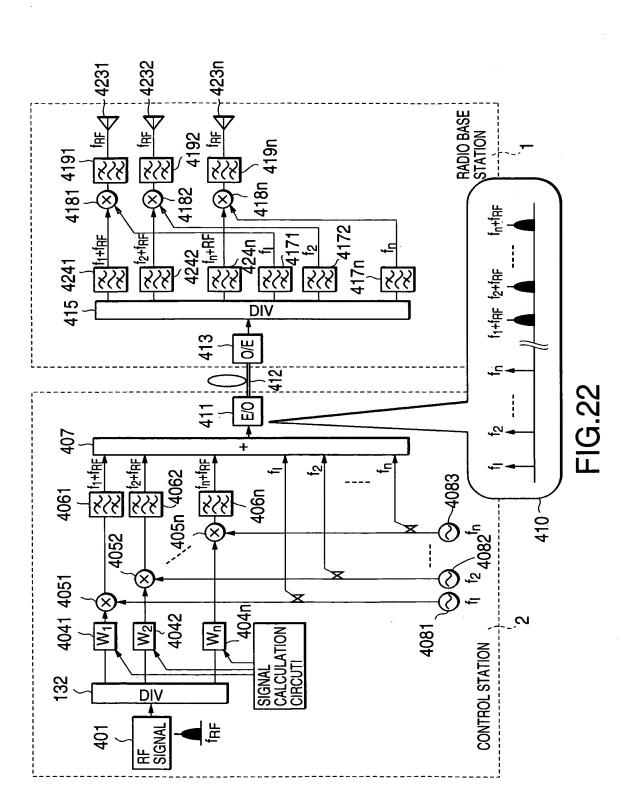
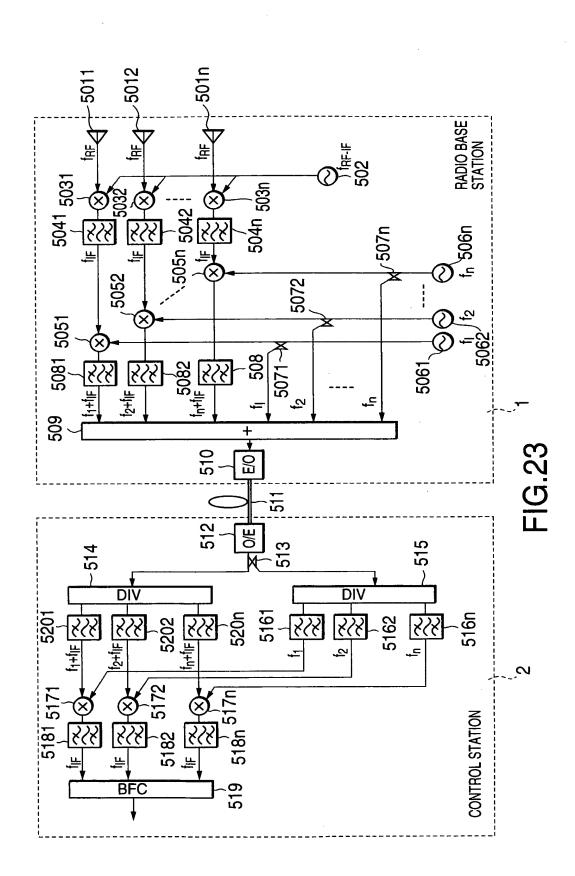


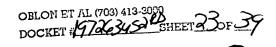
FIG.21

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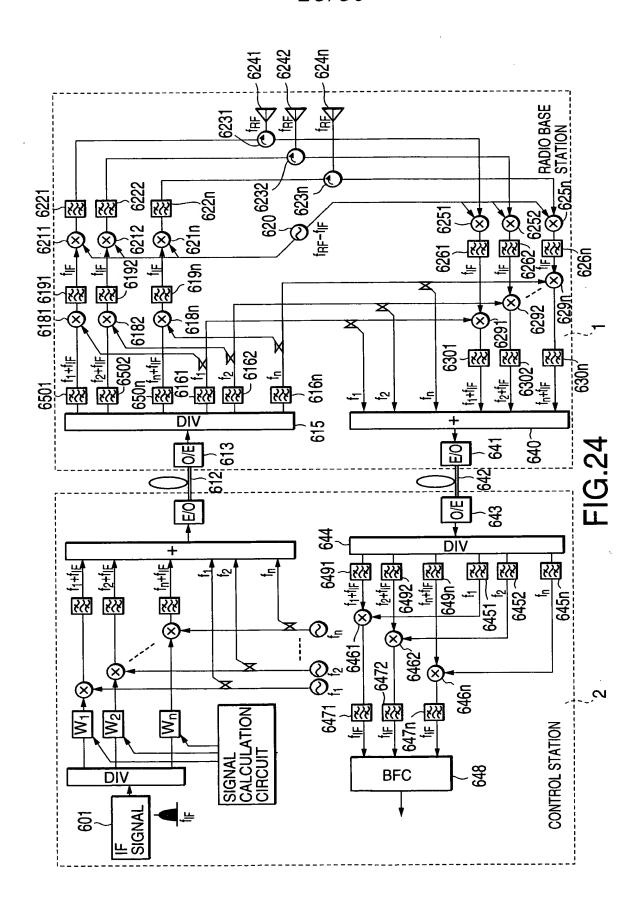


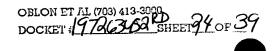
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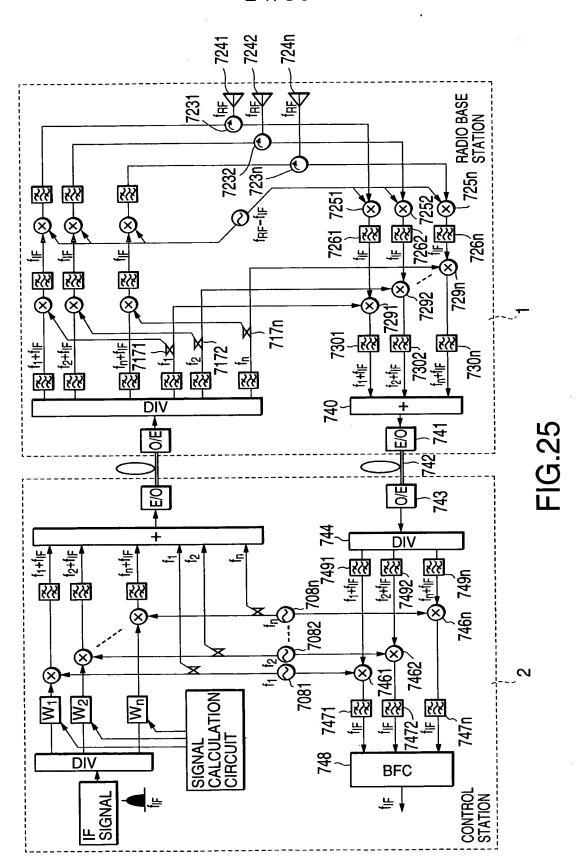


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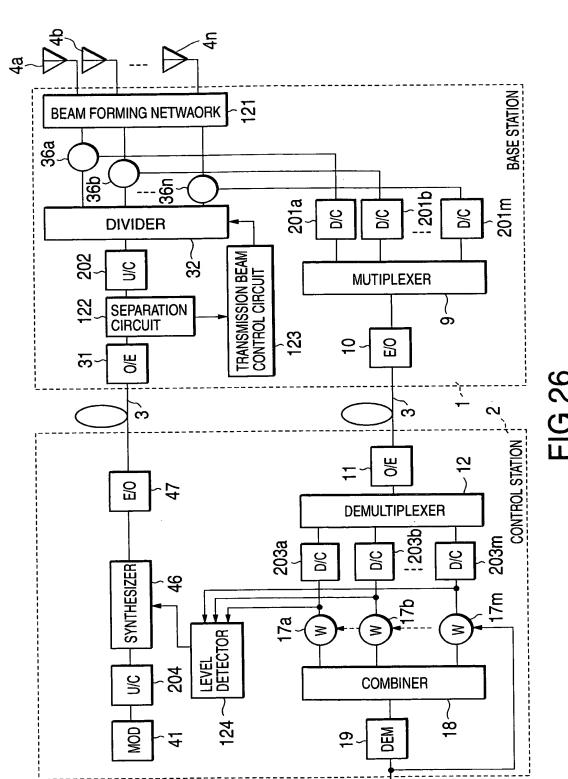


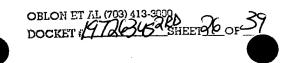


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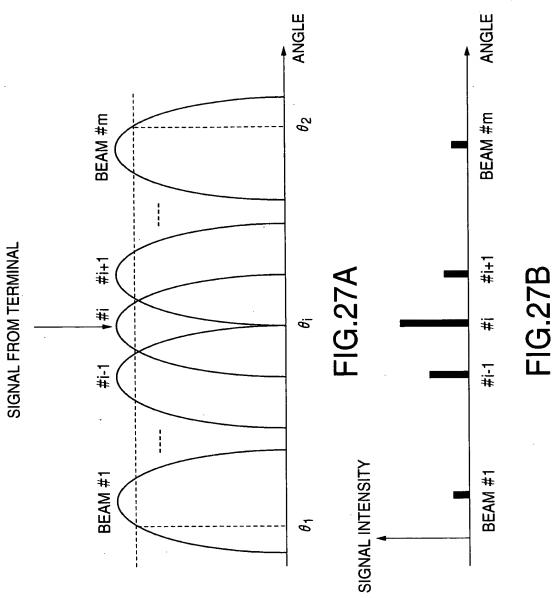


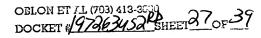
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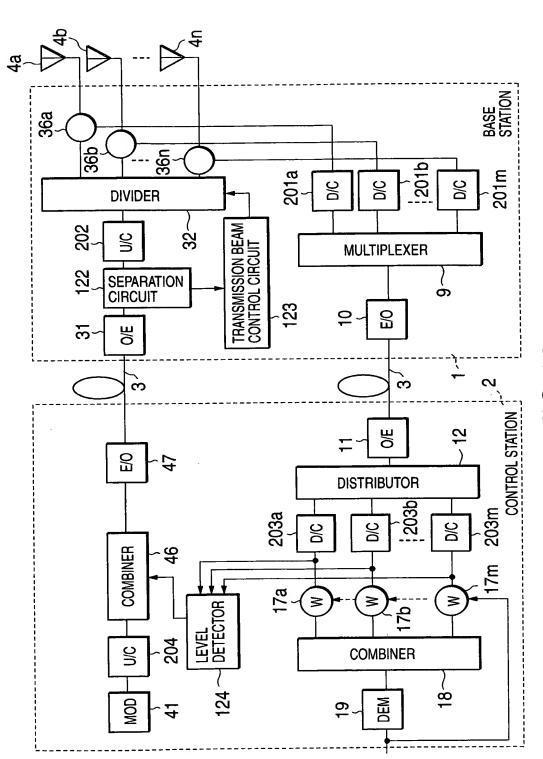


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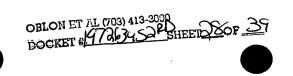




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-1G.28



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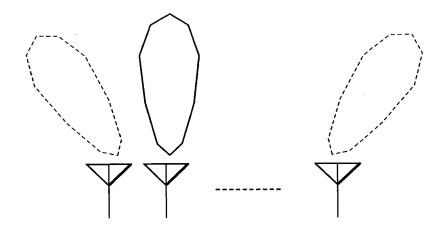


FIG.29A

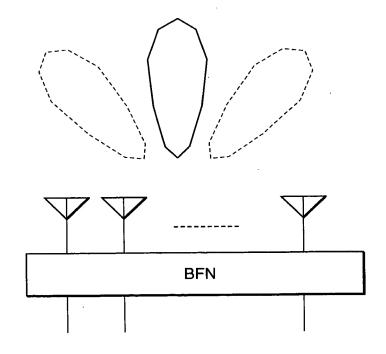
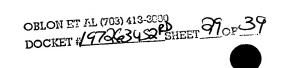


FIG.29B



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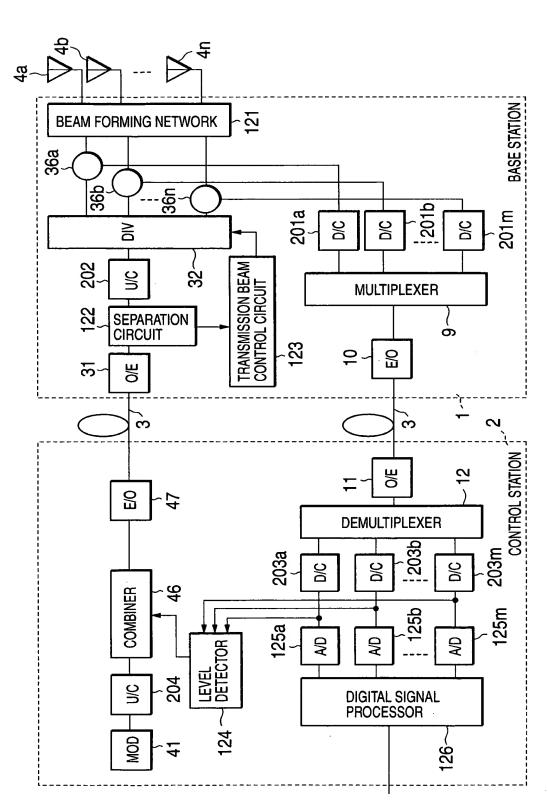
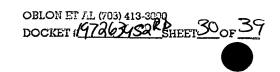


FIG.30



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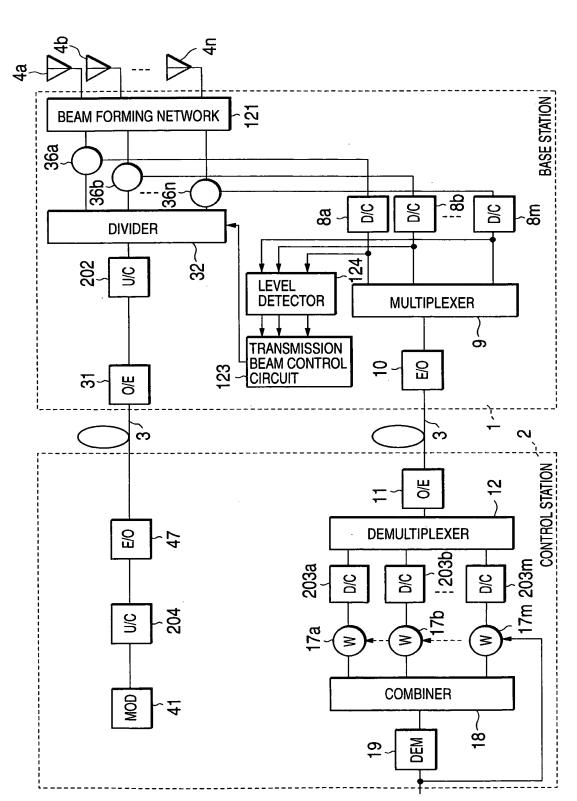
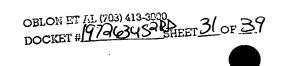
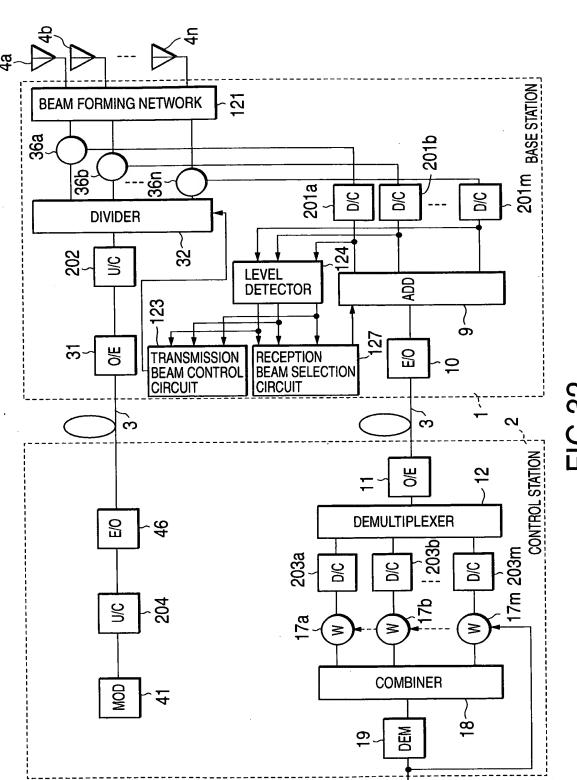


FIG.31



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-1G.32

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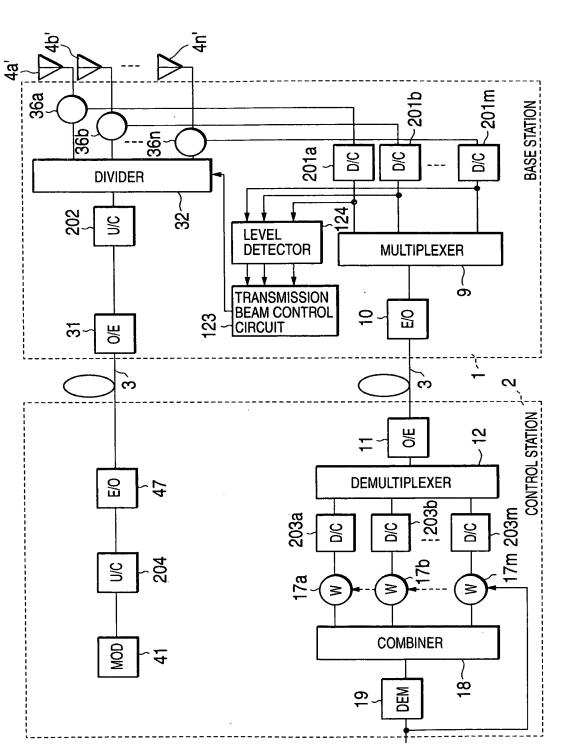
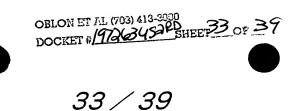


FIG.33



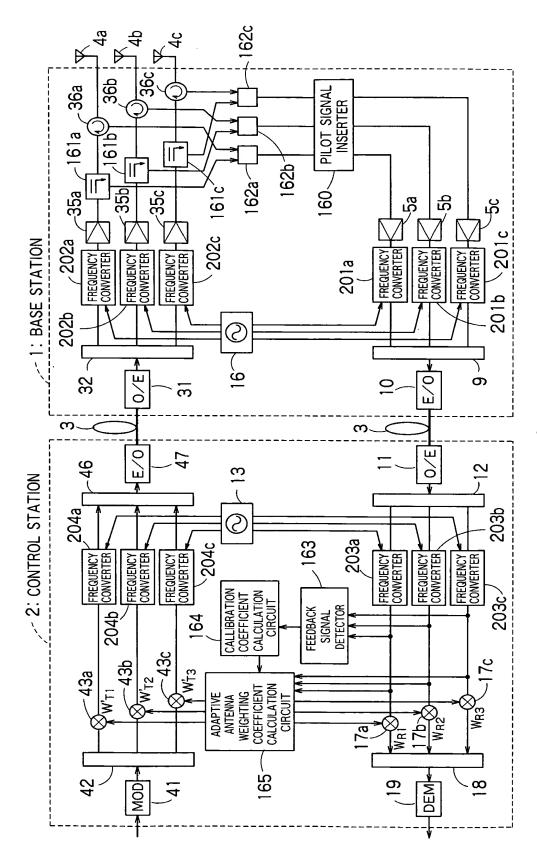
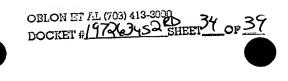


FIG. 34



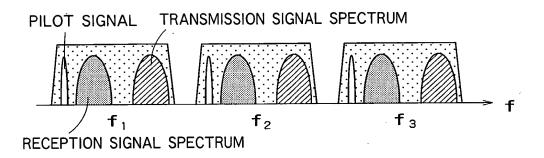
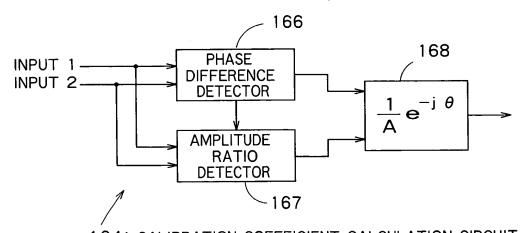
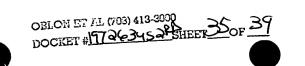


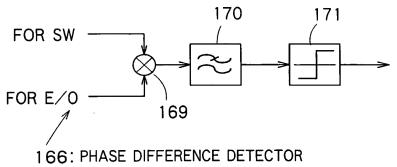
FIG. 35



164: CALIBRATION COEFFICIENT CALCULATION CIRCUIT

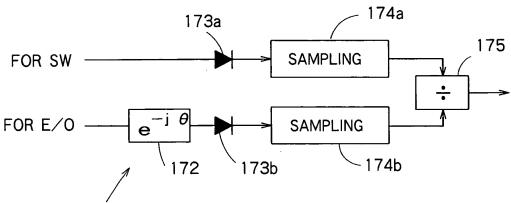
FIG. 36





J. THASE DITTERENCE DETECTOR

FIG. 37



52: AMPLITUDE RATIO DETECTOR

FIG. 38

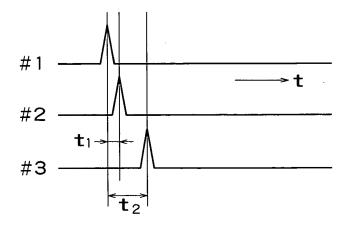
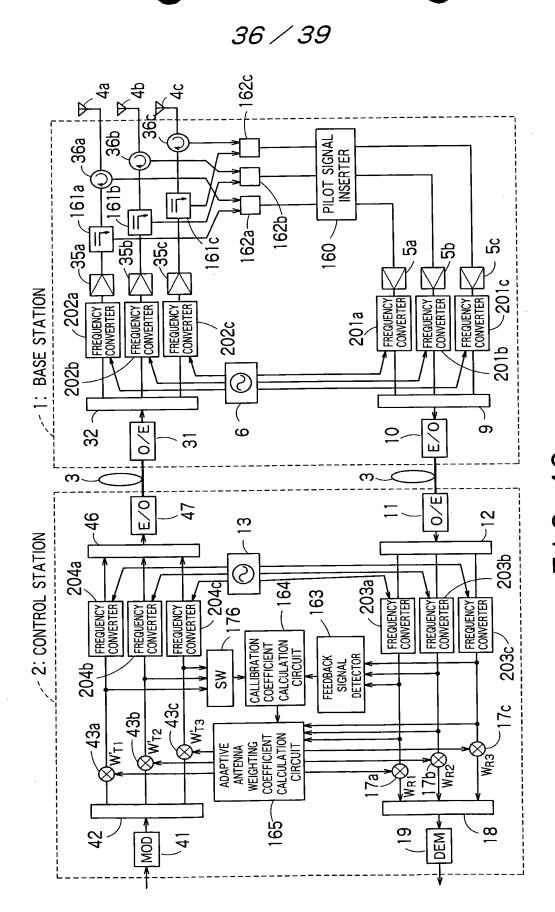


FIG. 39



OBLON ET AL (793) 413-2000 DOCKET #**[9726-34/SQLD**EHEEF**3** COF **3**9

FIG. 40

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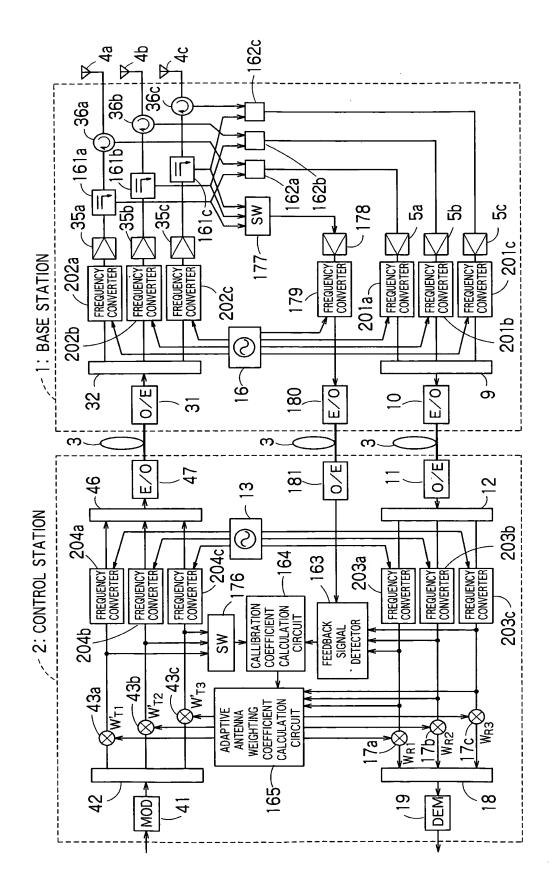
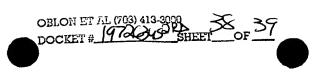


FIG. 41



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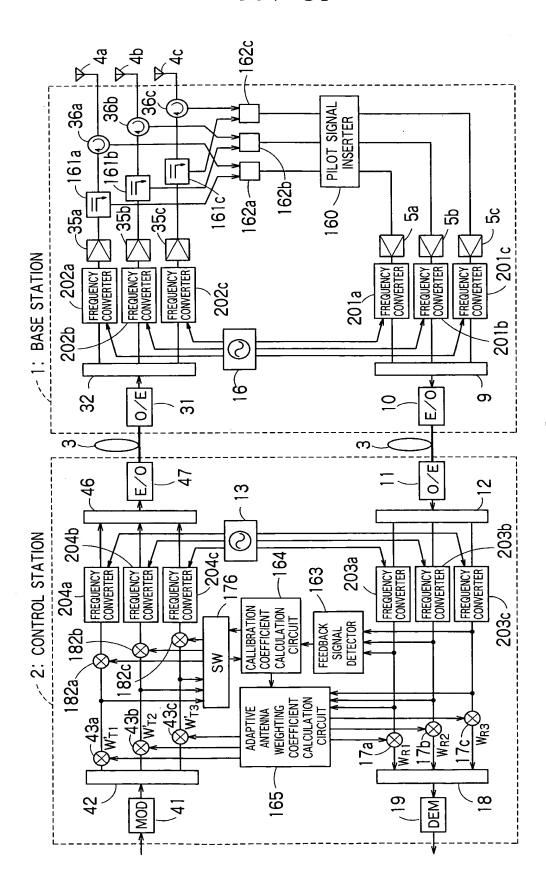


FIG. 42

DANDO-ENV DALECO

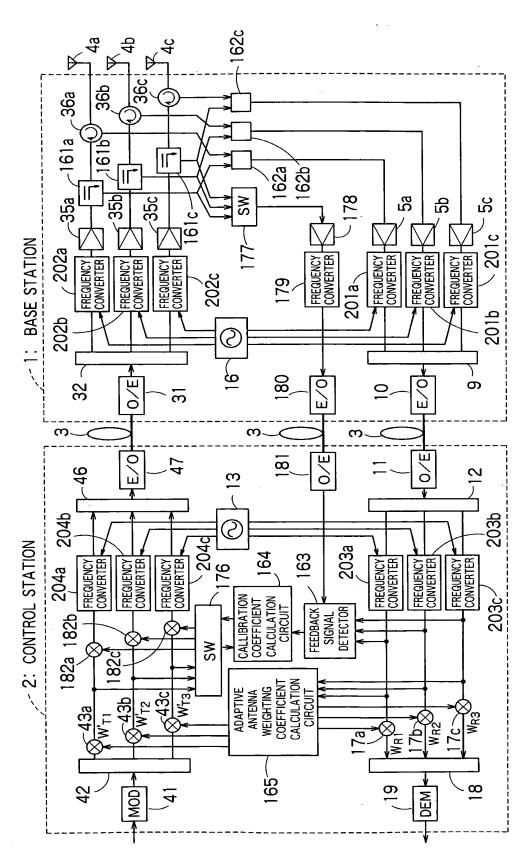


FIG. 43